Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/19/2021 09:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124703	-1	1.26	124622	1.23
Blue	F	SSC	125000	124763	-1	2.26	125102	2.13
Blue	E	FITC	13131	12638	-4	2.46	292	15.99
Blue	D	PE	24112	23589	-3	1.87	539	11.04
Blue	B	PerCP-Cy5-5	31295	30578	-3	3.24	1015	14.89
Blue	A	PE-Cy7	19939	19666	-2	5.41	522	30.14
Red	C	APC	42122	41106	-3	2.87	1716	11.48
Red	A	APC-Cy7	22340	21665	-4	3.22	809	11.94
Violet	B	V450	7410	6942	-7	3.25	422	12.58
Violet	A	V500	28118	26683	-6	2.72	665	9.66

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23013	1.58	572	3	N/A	N/A	Pass
Blue	F	SSC	58157	1.15	522	10	N/A	N/A	Pass
Blue	E	FITC	54	54.62	490	3	0.0382	91	Pass
Blue	D	PE	113	37.53	493	5	0.3766	280	Pass
Blue	B	PerCP-Cy5-5	186	37.64	590	4	0.0191	100	Pass
Blue	A	PE-Cy7	103	72.07	633	5	0.0209	7	Pass
Red	C	APC	399	23.99	580	4	0.0272	162	Pass
Red	A	APC-Cy7	182	28.05	555	4	0.0059	977	Pass
Violet	B	V450	59	62.82	461	8	0.0563	2007	Pass
Violet	A	V500	96	32.43	473	8	0.0254	563	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.48	-31.28	1.01
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.44
Red	14.40	13.60 - 20.40	N/A	N/A	29.80	30.01	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 14930

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments